Department of Environmental Quality Waste and Hazardous Materials Division

GENERATOR TANK INSPECTION FORM

Facility's Name_____ Part 3 Rules

Date _____ ID# _____ 1994 PA 451

___ abbreviated

FACILITY COMPLIANCE REQUIRED IN ALL AREAS

NI - Not Inspected N/A - Not Applicable)

ALL TANK SYSTEMS ACCUMULATION TIME (Rule 306: 40 CFR 252.34)		YES NO
1. Has more than 90 days elapsed since tank was emptied? (If yes, operating license required per Part 5 of Rules. (Rule 306(1): 40 CFR 262.34(a))	GPT	__ [ ] NI N/A
2. Is each tank labeled or marked with the words "Hazardous Waste" (Rule 306 (1)(c): 40 CFR 252.34(a)(3))	GPT	[ ] ___ NI N/A

***NOTE**: Rule 306(1)(a)(ii) & 40 CFR 252.34(a)(1)(ii) refer to 265 Subpart J, except 265.197(c) and 265.200 & Rule 615, except Subrule (1).*

GENERAL OPERATING REQUIREMENTS (Rule 306: 40 CFR 265.194)		
3. Could wastes placed in tank system cause ruptures, leaks, corrosion or other failure? (265.194 (a))	GPT	__ [ ] NI N/A
4. Controls & practices to prevent spills & overflows must include: (265.194(b))		
a) spill prevention controls. (265.194(b)(1))	GPT	[ ] ___ NI N/A
b) overfill prevention controls. (265.194(b)(2)).	GPT	[ ] ___ NI N/A
c) freeboard in uncovered tanks to stop overtopping by wave or wind action or precipitation. (265.194 (b)(3)).	GPT	[ ] ___ NI N/A

***NOTE:** Response to leaks, spills and disposition of leaking or unfit-for-use tank systems is in 40 CFR 265.196.*

5. A tank system or secondary containment system from which there has been a leak, spill or which is unfit for use, is it:		__ __ NI N/A
a) removed from service immediately? (265.196)	GPT	[ ] ___ NI N/A
b) completed requirements in 265.196(a-f)	GPT	[ ] ___ NI N/A

INSPECTIONS (Rule 306(1):40 CFR 265.195)		
6. Where present, has the facility inspected at least once each operating day: (265.195(a))		
a) discharge, overflow/spill control equipment (daily). (265.195(a)(1))	GPT	[ ] ___ NI N/A
b) monitoring equipment data (daily). (265.195(a)(3))	GPT	[ ] ___ NI N/A
c) above ground portion of tank system (daily). (265.195(a)(2))	GPT	[ ] ___ NI N/A
d) materials and area around tank (daily). (265.195(a)(4))	GPT	[ ] ___ NI N/A
e) are the inspections documented? (265.195 (c))	GPT	[ ] ___ NI N/A
7. Must inspect cathodic protection system, if present, for in-ground tanks:		
a) cathodic protection within six months after initial installation (annually thereafter). (265.195 (b) (1))	GPT	[ ] ___ NI N/A
b) impressed current inspected and/or tested at least bimonthly. (265.195 (b) (2))	GPT	[ ] ___ NI N/A
c) are the inspections documented? (265.195(c))	GPT	[ ] ___ NI N/A

SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTE (Rule 306(1):40 CFR 265.198)		
8. Ignitable or reactive waste must not be placed in tanks unless:		
a) treated/mixed before or immediately after placed in the tank system, so: (265.198(a)(1))		
i) resulting mixture is no longer ignitable/reactive. (265.198(a)(1)(i))	GPT	[ ] ___ NI N/A
ii) does not cause environmental or structural damage to tank systems. (265.198(a)(1)(ii))	GPT	[ ] ___ NI N/A
OR		
b) waste stored/treated so protected from igniting or reacting. (265.198(a)(2))	GPT	[ ] ___NI N/A

OR		YES NO
c) tank system is used solely for emergency. (265.198(1)(3))	GPT	[ ] ___ NI N/A
9. Observes National Fire Protection Association's buffer zone for tanks w/ ignitable or reactive wastes? (265.198(b)) *(See tables 2-1 through 2-6 of NFPA's Flammable & Combustible Liquids Code - 1977" to determine compliance)*	GPT	[ ] ___ NI N/A
10. Is the tank system designed, constructed, operated and maintained in conformance with requirements of Act 207, Michigan flammable liquid regulations. (Rule 615(4)	GPT	Company said___ [ ] ___ NI N/A
11. Is the tank labeled in accordance with NFPA standard # 704? (Rule 615(5))	GPT	[ ] ___ NI N/A

INCOMPATIBLE WASTE (Rule 306(1):40 CFR 265.199)

12. Are incompatible wastes stored in separate tanks? (265.199(a)) (If not, the provisions of 265.17(b) apply).	GPT	[ ] ___ NI N/A
13. Tank decontaminated before hazardous waste placed in it that held incompatible waste, unless 265.17(b). (265.199(b)).	GPT	[ ] ___ NI N/A

CLOSURE AND POST-CLOSURE (265.197)

NOTE: *At tank system closure refer to 265.197 for closure/post closure care, except 265.197(c).*

14. If the tank system is closed, did the facility follow the requirements in 265.197? (265.197).	GPT	[ ] ___ NI N/A

EXISTING TANK SYSTEMS
REQUIREMENTS FOR EXISTING TANK(S) CONTAINING LIQUID WASTE THAT DO NOT MEET THE REQUIREMENTS OF 265.193 (Rule 615)

15. Are above ground tanks:		
a) paved, diked or cubed or otherwise enclosed to contain not less than 100% of the largest tank? (Rule 615(2)(a))	GPT	[ ] ___ NI N/A
b) incompatible waste or interconnected tanks must have 100% containment for each tank. (Rule 615(2)(a))	GPT	[ ] ___ NI N/A
16. Do underground tanks:		
a) have secondary containment and a leachate withdrawal system? (Rule 615(2)(b)(i))	GPT	[ ] ___ NI N/A
b) complete an inventory of wastes not less than twice a month? (Rule 615 (2)(b)(ii))	GPT	[ ] ___ NI N/A
c) leachate sampling analysis at least once per year (if b shows loss, sample within 24 hours). (Rule 615(2)(b)(iii)	GPT	[ ] ___ NI N/A

Note: *If existing tanks do not have secondary containment meeting RCRA, the facility must assess the existing tank system's integrity, 265.191.*
Note: *The determination that secondary containment does or does not meet the standards in 265.193 can be made by the company. It does not require a certification by an independent engineer.*
Note: *Tanks w/out free liquids in a building w/ impermeable floor & tanks part of secondary containment system are exempt (265.190(a)&(b).*

ASSESSMENT OF EXISTING TANK SYSTEM'S INTEGRITY (Rule 306(1) :40 CFR 265.191)

17. If existing tank system (before 7/14/86) does not meet the secondary containment requirements in 265.193, was an assessment made and certified by an independent engineer? (265.191)	GPT	[ ] ___ NI N/A

CONTAINMENT AND DETECTION OF RELEASES (Rule 306(1):40 CFR 265.193)

18. Until an existing tank is upgraded to meet the secondary containment requirements in 265.193 has the facility: (265.193(i))		
a) for non-enterable underground tank, performed leak test meeting requirement of 265.191(b)(5) annually: (R 265.193(i)(1))	GPT	[ ] ___ NI N/A
b) for other than non-enterable underground tanks and ancillary equipment, the facility must:		
i) conduct an annual leak test that meets the requirements of 265.191(b)(5). (265.193(i)(2))	GPT	[ ] ___ NI N/A
OR		
ii) an internal inspection or other tank integrity exam by an independent, qualified, reg. prof. engineer. (265.193(i)(2))	GPT	[ ] ___ NI N/A
19. Secondary containment & detection that meets the requirements, must be provided for: (265.193)a))		
a) new tank systems prior to being put into service (any tank installed after 7-14-86). (265.193(a)(1)	GPT	__ __ NI N/A
b) existing tanks used for F020, F021, F022, F023, F026, F027 prior to 1/12/90. (265.193(a)(1))	GPT	__ __ NI N/A
c) existing tanks w/ documented age before 1/12/90 or tanks 15 years of age, which is later. (265.293(a)(3).	GPT	__ __ NI N/A
d) existing tank system, w/out documented age, upgrades done by 1/12/96 unless facility is greater than 7 years in 1988, then containment provided before facility reaches 15 years or by 1/12/90 which is later. (265.193(a)(4))	GPT	__ __ NI N/A
e) wastes which became hazardous waste after 1/12/87. (265.193(a)(5))	GPT	__ __ NI N/A

NEW TANK SYSTEMS AND UPGRADED EXISTING TANK SYSTEMS

(Rule 306(1):40 CFR 265.193(c))

		YES NO
20. Secondary containment and detection systems must have the following: (265.193(c))		
a) tank system constructed of compatible material with sufficient strength. (265.193(c)(1))	GPT	[ ] ___ NI N/A
b) adequate foundation/base. (265.193(c)(2))	GPT	[ ] ___ NI N/A
c) leak detection system designed/operated to detect leaks w/in 24 hours of earliest practical time. (265.193(c)(3)).	GPT	[ ] ___ NI N/A
d) sloped/drained & all liquid (leaks, precipitation) removed w/in 24 hours or in a timely manner. (265.193 (c)(4)).	GPT	[ ] ___ NI N/A
e) must include one or more of the following:		
i) a liner (external to tanks) & must satisfy the following requirements. (265.193(d)(1))		
A) 100% capacity of largest tank within its boundary. (265.193(1)(i))	GPT	[ ] ___ NI N/A
B) prevent run-on or infiltration of precipitation unless excess of capacity. (265.193(e)(1)(ii))	GPT	[ ] ___ NI N/A
C) free of cracks or gaps. (265.193(e)(1)(iii))	GPT	[ ] ___ NI N/A
D) cover any area waste may come in contact with if released. (265.193(e)(1)(iv))	GPT	[ ] ___ NI N/A

CEMENT LINERS ONLY

***Note**: If liner is cement then, must have, in addition, 265.193(e)(2)(iii & iv)*

E) constructed with chemical resistant water stops in place at all joints. (25.193(e)(2)(iii))	GPT	[ ] ___ NI N/A
F) impermeable, compatible interior lining or coating. (265.193(e)(2)(iv))	GPT	[ ] ___ NI N/A
ii) vault system & must satisfy the following requirements. (265.193(e)(2)(i-iv))(264.175(b)(3))		
A) 100% capacity of the largest tank within its boundary. (265.193(e)(2)(i))	GPT	[ ] ___ NI N/A
B) prevent run-on or infiltration of precipitation unless excess of capacity. (265.193(e)(2)(ii))	GPT	[ ] ___ NI N/A
C) constructed with chemical resistant water stops in place at all joints. (265.193(e)(2)(iii))	GPT	[ ] ___NI N/A
D) impermeable, compatible interior lining or coating. (265.193(e)(2)(iv))	GPT	[ ] ___NI N/A
E) if ignitable or reactive, then provide against vapor formation and ignition. (265.193(e)(2)(v))	GPT	[ ] ___NI N/A
F) provide with exterior moisture barrier. (265.193(e)(2)(vi))	GPT	[ ] ___NI N/A
iii) double wall tanks & must satisfy the following requirements: (265.193(d)(3))		
A) designed as integral structure (inner tank with outer shell). (265.193(d)(3)(i))	GPT	[ ] ___ NI N/A
B) protect metal surface for corrosion (interior and exterior). (265.193(e)(3)(ii))	GPT	[ ] ___ NI N/A
C) capable of detecting releases within 24 hours. (265.193(e)(3)(iii))	GPT	[ ] ___ NI N/A
f) ancillary equipment (note certain exclusions) must be provided with full secondary containment. (265.193)(f))	GPT	[ ] ___ NI N/A

NEW TANK SYSTEMS
DESIGN AND INSTALLATION OF NEW TANK SYSTEMS OR COMPONENTS (265.192)

21. Facility obtained written assessment that was reviewed & certified (270.11(d)) by independent qualified registered professional engineer to include:		
a) design standards and considerations? (265.192(a)(1)&(5))	GPT	[ ] ___ NI N/A
b) hazard characteristics of the waste(s) to be handled? (265.192(a)(2))	GPT	[ ] ___ NI N/A
c) determination by a corrosion expert, (if external shell of metal tank or metal part in contact with soil or water)? (265.192(a)(3))	GPT	[ ] ___ NI N/A
d) if needed, design considerations for UST systems affected by vehicular traffic? (265.192(a)(4))	GPT	[ ] ___ NI N/A
22. New tank/component & piping underground was backfilled w/non-corrosive, porous, homogeneous material & carefully compacted? (265.192(c))	GPT	[ ] ___ NI N/A
23. All new tanks/ancillary equipment tested for tightness before covered, enclosed, put in use? (265.192(d))	GPT	[ ] ___ NI N/A
24. New tank system not tight, were repairs made before covered, enclosed, put in use? (265.192(d))	GPT	[ ] ___ NI N/A
25. Is ancillary equipment supported/protected against damage & stress? (265.192(e)).	GPT	[ ] ___ NI N/A
26. Corrosion protection provided? (265.192(f))	GPT	[ ] ___ NI N/A
27. Field fabricated corrosion protection supervised by independent expert? (265.192(f))	GPT	[ ] ___ NI N/A
28. Is written statement kept on file at the facility and certified? (265.192(g))	GPT	[ ] ___ NI N/A

COMMENTS: